Project topic: Improve the student performance in exams
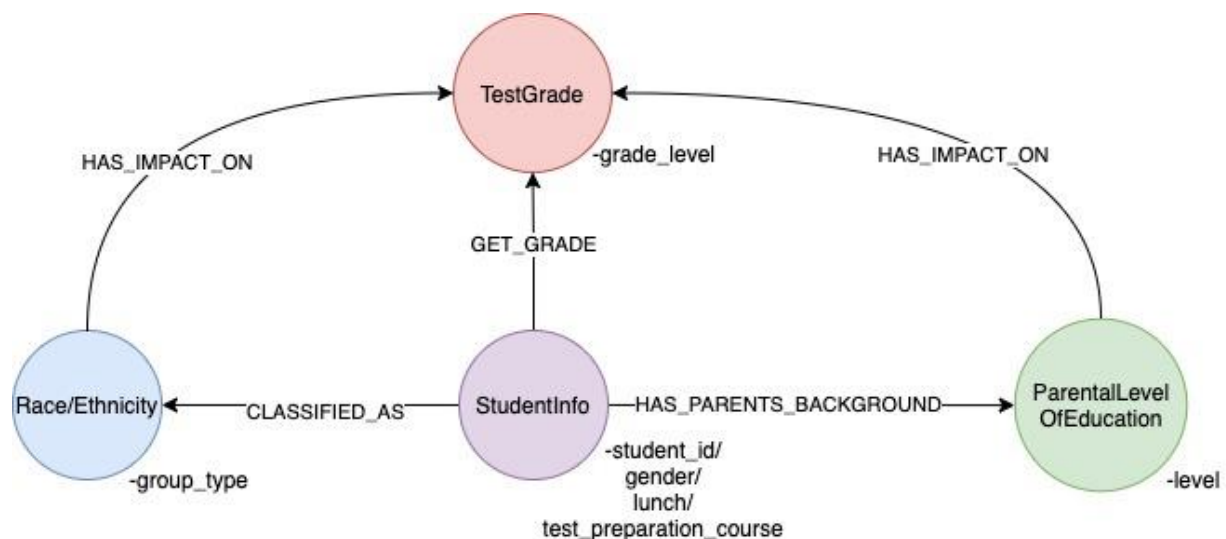
Data source: The dataset, Student Performance in Exams, is from
https://www.kaggle.com/spscientist/students-performance-in-exams

Goal
A high school chancellor would like to know how to improve their students' exam performance in order to make the school better. To achieve this goal, I will use the student performance data which includes three factors, family, personal, and economics, that might affect the test score, to present graph analysis and identify the following questions,
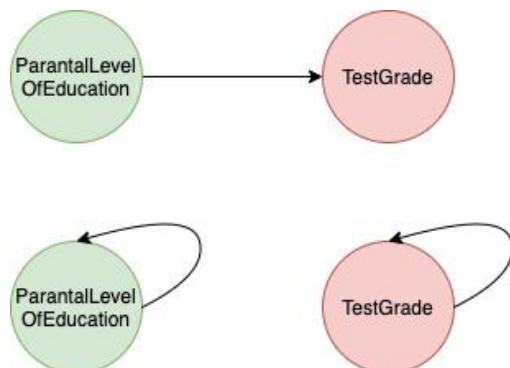
- What factors affect the test score the most?
- How effective is the test preparation course?
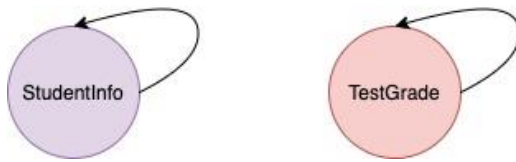
Graph data model

Graph projections

(1)

(2)

StudentInfo → TestGrade

StudentInfo ⟲

TestGrade ⟲

(3)

Race/Ethnicity → TestGrade

Race/Ethnicity ⟲

TestGrade ⟲